



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Palram Americas, Inc.  
9735 Commerce Circle  
Kutztown, PA 19530**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Corrugated and Flat Polycarbonate Panels**

**APPROVAL DOCUMENT:** Drawing No. **12-101**, titled "Polycarbonate Panel" sheet 1 of 1, dated 01/04/2012, prepared by Knezevich Associates, signed and sealed by V.J. Knezevich, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # **10-0913.07** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
03/09/2012

**NOA No. 12-0110.04**  
**Expiration Date: January 22, 2016**  
**Approval Date: February 23, 2012**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **12-101**, titled "Polycarbonate Panel" sheet 1 of 1, dated 01/04/2012, prepared by Knezevich Associates, signed and sealed by V.J. Knezevich, P.E.

**B. TESTS "Submitted under NOA # 00-1226.02 & 05-0907.03"**

	Laboratory	Test	Date	Signature
1.	SGS 369159-4	ASTM E 84	08/22/05	J. Lomash
2.	SGS 170558-7	ASTM E 84	09/23/02	G. Banasky
3.	SGS 170558-2	ASTM E 84	09/23/02	G. Banasky
4.	SGS 170558-10	ASTM D 635	09/23/02	G. Banasky
5.	SGS 170558-12	ASTM D 635	09/23/02	G. Banasky
6.	SGS 369159-1	ASTM D 635	08/22/05	J. Lomash
7.	SGS 155380-10	ASTM D 1929	05/29/01	D. Lepore
8.	SGS 528768	ASTM D 1929	02/06/06	J. Lomash
9.	Celotex MTS # 258188A	ASTM D 1929	07/28/97	R.G. Miller, P.E.
10.	Celotex MTS # 258188B	ASTM D 635	07/28/97	R.G. Miller, P.E.
11.	Celotex MTS # 258188C	ASTM E 84	07/18/97	R.G. Miller, P.E.
12.	Celotex MTS # 257933	ASTM D 638 & G26	09/12/97	R.G. Miller, P.E.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Standards' equivalency letter issued by Knezevich Associates, dated 01/04/2012, signed and sealed by V.J. Knezevich, P.E.
2. Manufacturer/ Distributor agreement issued by Paltough LTD and Suntuf Inc. notarized by S. J. Gallagher on 06/30/1997 and signed by S. K. Croce (Paltough) and A. Netzer (Suntuf). "*Submitted under NOA # 00-1226.02*"
3. Corporation name change from Suntuf Inc to Palram Americas Inc. signed by A. Netzer on 01/11/2004. "*Submitted under NOA # 05-0907.03*"

  
03/09/2012

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 12-0110.04

Expiration Date: January 22, 2016  
Approval Date: February 23, 2012

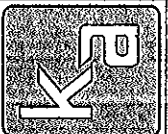
1. POLYCARBONATE PANEL AS MANUFACTURED BY PALRAM AMERICAS INC. COMPLIES AS AN APPROVED PLASTIC WITH THE REQUIREMENTS OF SECTION 2612.2 OF THE FLORIDA BUILDING CODE (FBC) 2010 EDITION WITH HIGH VELOCITY HURRICANE ZONE (HVHZ) PROVISIONS.
2. POLYCARBONATE PANEL SHALL BE 0.8 MM OR THICKER, SOLID CLEAR PANELS, FLAT OR CORRUGATED, WITH NO SURFACE FINISH.
3. THIS DOCUMENT ADDRESSES THE REQUIREMENTS OF THE POLYCARBONATE PANEL AS AN "APPROVED PLASTIC". SPECIFIC USE OF THIS SHALL COMPLY WITH THE FBC. ANY EXTERIOR ENVELOPE USE SHALL REQUIRE A NOTICE OF ACCEPTANCE (NOA) ADDRESSING THE SPECIFIC USE.
4. TABLE 2 REFERENCES THE BEFORE AND AFTER TENSILE STRENGTH TESTING PERFORMED IN LIEU OF THE IMPACT TESTING REFERENCED IN SECTION 2612.2 (1)(2b) OF THE FBC. RESULTS WITHIN  $\pm 10\%$  INDICATE COMPLIANCE WITH THE OUTDOOR EXPOSURE REQUIREMENTS IN ACCORDANCE WITH MIAMI-DADE COUNTY CHECKLIST #0445 FOR THE APPROVAL OF PLASTIC AND FOAM PLASTIC.
5. THE FOLLOWING PRODUCTS ARE APPROVED UNDER THIS NOA: SUNTUF, SUNSKY, DYNAGLAS, PALTUF AND PALSUN.

TABLE	AVERAGE YIELD TENSILE STRENGTH AS PER ASTM D-638		
	PLASTIC SPECIMEN	* BEFORE WEATHERING (PSI)	AFTER WEATHERING (PSI)
	2 3.0 MM CLEAR FLAT	9,660	9,090
	0.8 MM CLEAR CORRUGATED	9,240	9,270
	0.8 MM CLEAR FLAT	9,710	8,940

\* WEATHERING WAS PERFORMED PER SECTION 2612.2 OF 2010 FLORIDA BUILDING CODE.

TABLE 1	POLYCARBONATE PANELS MANUFACTURED BY PALRAM AMERICAS INC.					
	TRADE NAME	MATERIAL THICKNESS	FLAT OR CORRUGATED	TEST DESIGNATION	TEST PARAMETER	MATERIAL PROPERTIES
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM E84	FLAME SPREAD INDEX	10
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM E84	SMOKE DEVELOPED VALUE	130
	PALTUF / PALSUN	3 MM	FLAT	ASTM E84	FLAME SPREAD	60
	PALTUF / PALSUN	3 MM	FLAT	ASTM E84	SMOKE DENSITY	<450
	PALTUF / PALSUN	12 MM	FLAT	ASTM E84	FLAME SPREAD	45
	PALTUF / PALSUN	12 MM	FLAT	ASTM E84	SMOKE DENSITY	<450
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM D635	AVERAGE BURNING TIME	155 SEC.
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM D635	AVERAGE BURNING LENGTH	69.3 MM
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM D635	BURN RATE	28.0 MM/MIN.
	PALTUF / PALSUN	3 MM	FLAT	ASTM D635	AVERAGE TIME OF BURNING	8.4 SEC.
	PALTUF / PALSUN	3 MM	FLAT	ASTM D635	AVERAGE EXTENT OF BURNING	21.9 MM
	PALTUF / PALSUN	12 MM	FLAT	ASTM D635	AVERAGE TIME OF BURNING	12.8 SEC.
	PALTUF / PALSUN	12 MM	FLAT	ASTM D635	AVERAGE EXTENT OF BURNING	10.3 MM
	SUNTUF / SUNSKY / DYNAGLAS / PALTUF / PALSUN	0.8 MM	FLAT	ASTM D1929	SELF IGNITION TEMPERATURE	1,162 °F
	SUNTUF / SUNSKY / DYNAGLAS / PALTUF / PALSUN	0.8 MM	FLAT	ASTM D1929	FLASH IGNITION TEMPERATURE	982 °F

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 12-0110.04  
Expiration Date 01/22/2016  
By [Signature]  
Miami Dade Product Control



**POLYCARBONATE PANEL**

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**POLYCARBONATE PANEL**  
**PALRAM Americas Inc.**

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PALRAM

[illegible]

**V.J. Knezevich**  
Professional Engineer  
FL License No. PE 0010983

**JAN 04 2012**

drawn by ARV scale AS NOTED

date 01/04/2012

drawing no.  
**12-101**

sheet 1 of 1